

Definition of BEMIS OCA001 Import and Export File for Business Document Order Change Acknowledgement/Response

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Publication Information

Document code: U9515A US

Release: ERP LN 6.1 Electronic Commerce

Publication date: September 08

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About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message “Order Change Acknowledgement/Response”, which is supported by Baan Electronic Message, the ERP LN in-house format.

The message’s content refers to the following origin message types and gives their attribution to the transferred ASCII file of the BEMIS format:

- EDIFACT ORDRSP
- ANSI X12 855
- VDA 4925

The message structure is defined by referring to both directions, incoming and outgoing.

The document contains the following chapters:

Chapter 1, “General Principles”, provides a general introduction to the EDI in-house format for the Business Document type Order Change Acknowledgement/Response.

Chapter 2, “Data record description by type of data record”, describes in detail the data records used for the EDI in-house format of EDI message Order Change Acknowledgement/Response.

Chapter 3, “Definitions, Acronyms, and Abbreviations”, provides a glossary of terms used in Infor ERP LN and in this document, and also a list of abbreviations.

Appendix A, “Sample File”, provides a sample file for the outgoing message OCA001.

Intended audience

This document is intended for the following categories of users:

- Users who want to understand what the processed information of the EDI messages in ERP LN are.
- Users who develop the translation from external EDI format to the in-house format.

References

The following documents might be of importance:

No.	Document number	Title
1	U8912B US	<i>User's Guide for BEMIS</i>
2	U8998B US	<i>User's Guide for EDI Business Documents</i>

Send us your comments

We continually review and improve our documentation. Any remarks/requests for information concerning this document or topic are appreciated. Please e-mail your comments to documentation@infor.com.

In your e-mail, refer to the document code and title. More specific information will enable us to process feedback efficiently.

Chapter 1

General Principles

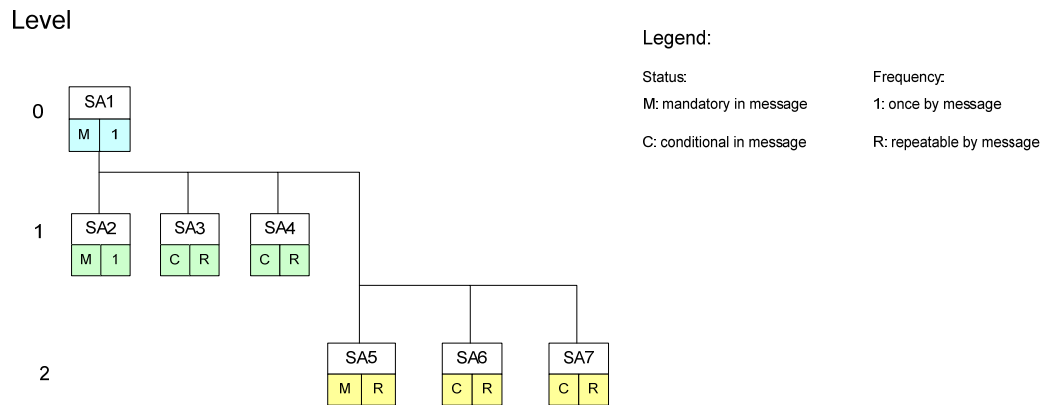
Available types of data records

This section describes the EDI In-house format for the Business Document type Order Change Acknowledgement/Response (incoming/outgoing). When you transmit information about orders, the use of the following types of data records is conditional (C) or respectively mandatory (M).

ID	Status	Name
SA1	M	Overhead
SA2	M	Order Header
SA3	C	Order Header Addresses
SA4	C	Order Header Text
SA5	M	Order Line
SA6	C	Order Line Text
SA7	C	Order Line's Specific Delivery Address

Branching diagrams

The following data record structure is used for the BEMIS message type Order Change Acknowledgement/Response:



For example, for two required orders with each two lines the BEMIS file has the following structure:

SA1 ... Message Overhead

SA2 ... Order Header 1

SA3 ... Order Header 1 Addresses

SA4 ... Order Header 1 Text

SA5 ... Order Lines Item 11

SA6... Order Line text

SA7 ... Line's Delivery Address

SA5 ... Order Lines Item 12

SA6 ... Order Line text

SA1 ... Message Overhead

SA2 ... Order Header 2

SA3 ... Order Header 2 Addresses

SA5 ... Order Lines Item 21

SA6 ... Order Line text

SA5 ... Order Lines Item 22

SA7 ... Line's Delivery Address

If an Order Line's Delivery Address (SA7) is not used for an item then the Order Header Address (SA4) is defaulted to the line's delivery address in ERP LN.

If an Order Line's Delivery Address (SA7) is used for an item then this delivery address is the valid one for this item.

Key fields outgoing

The outgoing message refers to the Buy-from-BP and the Sales Order.
The following structure of the key fields is used to determine the corresponding data records of an order message:

Sorted by Key							
Type	Data	Rec.	key 1	key 2	key 3	key 4	key 5
field 1	Backpt						
SA1			Message ref.	BP net ID			
SA2	1		Message ref.	BP net ID	SO no.		
SA3	2		Message ref.	BP net ID	SO no		
SA4	2		Message ref.	BP net ID	SO no		
SA5	2		Message ref.	BP net ID	SO no		
SA6	5		Message ref.	BP net ID	SO no	SO pos.no.	SO pos.seq.
SA7	5		Message ref.	BP net ID	SO no	SO pos.no.	SO pos.seq.

Key fields incoming

The incoming message refers to the Sold-to-BP and the Purchase Order. The following structure of the key fields is used to determine the corresponding data records of an order message:

Sorted by Key						
Type	Data Rec.	key 1	key 2	key 3	key 4	
field 1	Backpt					
SA1		Message ref.	BP net ID			
SA2	1	Message ref.	BP net ID	PO no.		
SA3	2	Message ref.	BP net ID	PO no.		
SA4	2	Message ref.	BP net ID	PO no.		
SA5	2	Message ref.	BP net ID	PO no.		
SA6	5	Message ref.	BP net ID	PO no.	PO pos.no	PO pos.seq.
SA7	5	Message ref.	BP net ID	PO no.	PO pos.no	PO pos.seq.

Business Partner Relations

The following table shows the business partner relations.

Outgoing Purchase Order		Incoming Sales Order	
ID of the sender	ecedi020.neta	Buy-from BP Code	tdpur400.ofbp
Warehouse Code	tdsls400.cwar tdsls401.cwar	Ship-From BP-Code	tdpur400.sfbp tdpur401.stbp
Ship-to BP Code	tdsls400.stbp tdsls401.stbp	Warehouse Code	tdpur400.cwar tdpur401.cwar
Ship-to Address Code	tdsls400.stad	Ship-to Address Code	tdpur400.cadr

Network directories

In the Direct Network Communication (ecedi7205m000) session the user can receive and generate EDI messages.

As written in the User's Guide EDI Business Document [2] the communication is done between the EDI Sub-System and ERP LN to transfer the message's ASCII files across the specific network. This communication is based on the network directories that are established in ERP LN.

The network basis directories for each network will be defined in the ecedi0120m000 session.

The ERP LN user can decide the structure of the used network directories, such as the following:

- For every message type, one network directory can be used for outgoing messages and one can be used for incoming messages. This means that one message file contains data for several business partners.
- For a group of message types, such as orders, one network directory can be used for outgoing messages and one can be used for incoming messages.
- Every business partner can use their own network directory, and the files would be able to contain data for several messages types.

Infor recommends the second possibility.

For the network BEMIS, e. g. the basis directories can be indicated in the following way:

```
/${BSE}/edi/bemis/order/
```

ERP LN will additionally create the following subdirectories:

- `/${BSE}/edi/bemis/order/appl_from/`
 - `/${BSE}/edi/bemis/order/appl_to/`
 - `/${BSE}/edi/bemis/order/command/`
 - `/${BSE}/edi/bemis/order/store_recv/`
 - `/${BSE}/edi/bemis/order/store_sent/`
 - `/${BSE}/edi/bemis/order/trace/`
-

The above mentioned directories refer to one message type “Order Change Acknowledgement/Response”. The directories have the following functions:

- **.../appl_from/:** In this directory, ERP LN records the outgoing messages that are the defined BEMIS inhouse format files. The EDI Sub-System can collect them from here.
- **.../appl_to/:** The EDI Sub-System writes the incoming message into this directory in the ERP LN in-house format.
- **.../command/:** Directory of the semaphores.
- **.../store_recv/:** ERP LN stores processed incoming messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.
- **.../store_sent/:** ERP LN stores processed outgoing messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.
- **.../trace/:** ERP LN creates a log of the incoming messages and outgoing messages in the processing order in this directory, if the corresponding EDI parameter is set in this way.

The file name of the BEMIS in-house format files of the Order Change Acknowledgement/Response, which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
outgoing	oca001.txt	/\${BSE}/edi/bemis/order/appl_from
incoming	oca001.txt	/\${BSE}/edi/bemis/order/appl_to

ERP LN - BEMIS Messages – Conventions

Written in the User’s Guide for BEMIS [1], we use the following rules to structure the EDI message:

- Each data segment is defined by a unique code in an EDI message. The format of the data segment code is SA99. Each segment (message record) starts with the unique code “Sax”; the message record ends with “SAx_END”.
- The length of the several data segments can vary.
- Even if some fields do not contain a value, each data segment (message record) must consist of all fields.
- The fields in the file must be separated by a defined sign, such as a semicolon (;)
- A filled string field must be put inside quotation marks (“...”).
- If a position in a BEMIS Message File is not taken by a value, which means that the position is empty, then the position is pointed out using two semicolons. Also, the ERP LN EDI Module distinguishes between numerical data and alphanumeric data format, as shown in the following examples:
 - Empty numerical Position: “SAx”; ... ;; ... ;”SAx_END”
 - Empty alphanumeric Position: Infor differs between the following, in case the field exists in the LN database:
 - “SAx”; ... ;; ... ;”SAx_END” and “SAx”; ... ; “”; ... ;”SAx_END”

In the following sections are the format descriptions of the individual types of data segments (message records) of the interface file. The table contains the following data:

ORDER INHOUSE FORMAT

Pos	Field description	Key	ST	FM
-----	-------------------	-----	----	----

The first block of the table describes the format of a type of data record:

Pos Position of the field in the data record

Field description Description of the field

Key	Key field outgoing (O) / incoming (I)
ST	Field status mandatory (M) / conditional (C)
FM	Field format, for example. an..14 = alphanumerical field with a maximum of 14 characters an14 = alphanumerical field with exactly 14 characters n..10 = numerical field with a maximum of 10 characters n1 = numerical field with exactly 1 character

The second block of the table describes the corresponding table field in ERP LN and describes possible special actions, which will be carried out when the messages are being processed.

from Application Table Field (out) / Mapping to Table Field (in)

Table Field	Action

Following the table overview, every field is described in a more detailed way, including information about the processing in the EDI Sub-System and in ERP LN.

Consider one exception: if a position of the data record is not currently used, then Infor omits the detailed description of this empty position.

What is new in comparison to BEMIS for BAAN V?

- New message structure: 7 Data Segments instead of 6 before

Also as the BEMIS messages "Trading Order" each responded order level use a separate text data record.

Chapter 2

Data Record Description by Type of Data Record

SA1 Message Overhead

Status: Mandatory

Frequency: Once by order

Description: This data record contains information about the transmitter, the message type and the time of the transmission. The message reference identifies all related data records of this message.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA1		SA1	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Order Reference		M	an..20	tdsls400.orno		ecedi702.msno	

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
5	Net ID of Receiver	M	an..17	ecedi028.neta	Conversion (see below)		
6	Organization	M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
7	Message	M	an..6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
8	Order Type	M	an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
9	Identifier of Test	C	an1	empty (...;;...)		ecedi702.test	
10	Date of transmission	M	n..14	current date		ecedi702.send	
11	Transmission time	M	n..6	current time			
12	Data record end sign	M	an7	SA1_END		SA1_END	

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA1 Overhead

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		
Description	This field identifies the type of data record in the message block. It contains the constant value 'SA1'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA1'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1'.				
ERP LN	None				

Position	2	Field Format	an..14	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	<p>This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission. The field consists of a fix item with four characters, the current date (format: YYMMDD) and a serial number with four characters.</p> <p>The special format will be defined in the network parameters in the ERP LN table ecedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, which means unique. While storing the message reference ERP LN controls whether it is specific.</p>				
Processing outgoing EDI Sub-System					
ERP LN	ERP LN generates this number to identify an order, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of an order.				
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify an order and writes it into all data records of an order.				
ERP LN	Mapping to ERP LN table field ecedi702.bano.				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		
Description	This field contains the identification of the sender (for example, the ILN Number)				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.neta. The content of this field is mapped to the position of the transmission file. Here you can store the general ILN-Number for your customer.				
Processing Incoming EDI Sub-System					
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.				

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Transmission Reference</u>				
Description	This field contains the reference code which the EDI Sub-System applied to this transmission.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled with the purchase order number from ERP LN table field tdsIs400.orno				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field ecedi702.msno. This field should contain the customer purchase order number.				

Position	5	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of Receiver</u>				

Description This field contains the identification of receiver.

Processing outgoing
EDI Sub-System

ERP LN The identification of the receiver (for example, the ILN of the receiver) in the used network is entered in the table ecedi028. The ELP LN table field ecedi028.neta is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN On the incoming side this field will be ignored.

Position	6	Field Format	an..6	Field Status	M
Field Name	<u>Organization</u>				

Description This field contains the organization (Standard), which is used for the EDI communication.

Processing outgoing
EDI Sub-System

ERP LN The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.

Processing Incoming
EDI Sub-System This field will be filled with the constant value 'BEMIS'.

ERP LN Mapping to ERP LN table field ecedi702.org. The corresponding Organization must have been entered into the ERP LN table ecedi003.

Position	7	Field Format	an..6	Field Status	M
Field Name	<u>Message</u>				
Description	This field contains the code for the identification of the concerned message. The code for the message type 'Orders' is ORC001.				
Processing outgoing EDI Sub-System	.				
ERP LN	The internal message code ecedi001.code 'ORC001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'ORC001'.				
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this order. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the order. The message code is mapped to the ERP LN table field ecedi702.mess.				

Position	8	Field Format	an..35	Field Status	M
Field Name	<u>Order Type</u>				
Description	This field contains a code for the concerned order type.				
Processing outgoing EDI Sub-System					
ERP LN	In the ERP LN table ecedi011 there must be an entry for this order type in connection with the respective message and organization. The ERP LN table field ecedi011.koor is mapped to this position. This field is filled with the EDIFACT order types. For example "220" for normal orders. The in-house order type is converted in ecedi433.				
Processing Incoming EDI Sub-System					
ERP LN	Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.				

Position	9	Field Format	an1	Field Status	C
Field Name	<u>Identifier of Test</u>				

Description This field contains the code that will identify incoming messages for this organization as test messages. A test message is checked, but not copied to the database.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the ERP LN table field ecedi003.test

Processing Incoming
EDI Sub-System Transmission of the value from the transmission file.

ERP LN Mapping to ERP LN table field ecedi702.test.

Position	10	Field Format	n..14	Field Status	M
Field Name	<u>Date / Time of Transmission</u>				

Description This field contains on the outgoing side the current date / time, on which the order message was created. On the incoming side, this field contains the arrival date / time of the order at the EDI Sub-System (format: YYYYMMDDHHMMSS).

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current date / time to the position.

Processing Incoming
EDI Sub-System Entry of the arrival date / time of the message at the EDI Sub-System.

ERP LN Mapping to ERP LN table field ecedi702.send

Position	11	Field Format	n..6	Field Status	C
Field Name	<u>Transmission Time</u>				

Description This field contains the transmission time of the message – only on the outgoing side referring to pos. 9.

Processing outgoing
EDI Sub-System

ERP LN The position could be filled with the current time.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	12	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA1_END'.

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA1_END'.

ERP LN None

SA2 Order Header

Status: Mandatory
Frequency: Once by Order Acknowledgement/Response
Description: This data record contains all information of the order header except of address and text data, and it is related to SA1.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA2		SA2	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Order No.		M	an..9	tdsls400.orno		ecedi702.msno	
5	Customer / Purchase Order No.		C	an..30	tdsls400.corn		tdpur400.orno	
6	Order date / time		C	n..14	tdsls400.odat			
7	Planned / Confirmed Receipt Date		C	n..14	tdsls400.prdt		tdpur400.ddtc	
8	Reference A		C	an..30	tdsls400.refa		tdsls400.refa	
9	Reference B		C	an..20	tdsls400.refb		tdsls400.refb	
10	Internal Sales Represent		C	an..9	tdsls400.crep	Conversion		
11	Name		C	an..35	tccom001.nama			
12	External Sales Represent		C	an..9	tdsls400.osrp	Conversion		

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
13	Name	C	an..35	tccom001.nama			
14	Contract	C	an..9	tdsls400.pno	Code and Conversion	tdpur400.pno	Code and Conversion
15	Terms of Delivery	C	an..6	tdsls400.cdec	Code and Conversion	tdpur400.cdec	Code and Conversion
16	Description	C	an..30	tcmcs041.dsca			
17	Carrier	C	an..20	tdsls400.cfrw	Code and Conversion	tdpur400.cfrw	Code and Conversion
18	Description	C	an..30	tcmcs080.dsca			
19	Late Payment Surcharge	C	an..6	tdsls400.ccrs	Code and Conversion	tdpur400.ccrs	Code and Conversion
20	Description	C	an..30	tcmcs011.dsca			
21	Terms of Payment	C	an..6	tdsls400.cpay	Code and Conversion	tdpur400.cpay	Code and Conversion
22	Description	C	an..30	tcmcs013.dsca			
23	Payment Period	C	n2	tcmcs013.pper			
24	Discount Period 1	C	n2	tcmcs013.disa			
25	Discount Percentage 1	C	an..4	tcmcs013.prca			
26	Order Currency	C	an..6	tdsls400.ccur	Code and Conversion	tdpur400.ccur	Code and Conversion
27							
28	Order Discount	C	n..6	tdsls400.odis		tdpur400.odis	
29	Ship-to BP / Warehouse	C	an..9	tdsls400.stbp	Conversion	tdpur400.cwar	Conversion
30	Qualifier Address code	C	an..6	ecedi218 / ZZ		ZZ	
31	Address/ BP Code	C	an..6	ecedi224.code / STBP			
32	Sold-to BP /Purchase Office	C	an..6	tdsls400.ofbp	Conversion	tdpur400.cofc	Conversion
33	Qualifier Address code	C	an..6	ecedi218 / ZZ		ZZ	

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
34	Address/ BP Code	C	an..6	ecedi224.code / OFBP			
35	Sales Office	C	an..6 an..20	tdsls400.cofc	Code and Conversion		
36	Qualifier Address code	C	an..6	ecedi218 / ZZ			
37	Warehouse / Ship-from BP	C	an..6 an..20	tdsls400.cwar	Code and Conversion	tdpur400.sfbp	Code and Conversion
38	Qualifier Address Code	C	an..6	ecedi218.code / ZZ		ZZ	
39	Address/ BP Code	C	an..6	ecedi224.code /		SFBP	
40	Invoice-from BP / Invoice-to-BP	C	an..20	tdsls400.itbp	Code and Conversion	tdpur400.ifbp	Code and Conversion
41	Qualifier Address Code	C	an..6	ecedi218.code / ZZ			
42	Address/ BP code	C	an..6	ecedi224.code / IFBP			
43	Pay-by BP	C	an..20	tdsls400.ptbp	Code and Conversion		
44	Qualifier Address Code	C	an..6	ecedi218.code / ZZ			
45	Address/ BP code	C	an..6	ecedi224.code / PBBP			
46	Change Order Sequence Number	C	an..8	tdsls400.cosn		tdpur400.cosn	
47	Acknowledgement Reason	C	an..2	tdsls400.akcd	Conversion	tdpur400.akcd	Conversion
48	Point of Title passage	C	an..9	tdsls400.ptpa	Conversion	tdpur400.ptpa	Conversion
49	Description	C	an..30	tcmcs042.dsca			
50	Change Type	C	an..6	tdsls400.ctcd	Code and Conversion	tdpur400.ctcd	Conversion (see below)
51	Change Reason Code	C	an..6	tdsls400.crcd	Code and Conversion	tdpur400.crcd	Conversion (see below)

Order Response In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
52	Data Record End Sign	O/I	M	an7	SA2_END	SA2_END

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA2 Header

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		
Description	This field identifies the type of data record in the message block. It contains the constant value 'SA2'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA2'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		

Description This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.

Processing outgoing
EDI Sub-System

ERP LN Analogously to data record SA1

Processing Incoming
EDI Sub-System

ERP LN Analogously to data record SA1

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		

Description This field contains the identification of the sender (for example the ILN Number)

Processing outgoing
EDI Sub-System Transmission of the value from the message file.

ERP LN Analogously to data record SA1

Processing Incoming
EDI Sub-System

ERP LN Analogously to data record SA1

Position	4	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Order Reference</u>		Key field Out / In		
Description	This field contains the origin Order Number which is respond.				
Processing outgoing EDI Sub-System	None				
ERP LN	The sales order number is mapped from ERP LN table field tdsIs400.orno to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The purchase order reference is mapped to ERP LN table field ecedi702.msno.				

Position	5	Field Format	an..30	Field Status	M
Field Name	<u>Customer's Order Number</u>				
Description	This field contains the Order Number which is respond.				
Processing outgoing EDI Sub-System	None				
ERP LN	The sales order number is mapped from ERP LN table field tdsIs400.corn to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The purchase order number is mapped to ERP LN table field tdpur400.orno.				

Position	6	Field Format	an..14	Field Status	C
Field Name	<u>Order Date / Time</u>				
Description	This field contains the date / time (YYYYMMDDHHMMSS) the order is entered in the system. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The purchase order delivery date / time from ERP LN table field TFtdpur400.odat is mapped to this position.				
Processing Incoming EDI Sub-System					

ERP LN

N. A.

Position	7	Field Format	an..14	Field Status	C
Field Name	<u>Planned / Confirmed receipt Date / Time</u>				

Description This field contains the date / time (YYYYMMDDHHMMSS) of the Planned Receipt Date.
On the incoming side the field is used referring to the confirmed receipt date tdpur401.ddtc.

Processing outgoing
EDI Sub-System None

ERP LN The planned receipt date / time from ERP LN table field tdpur400.prdt is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to ERP LN table field tdsls400.ddtc

Position	8	Field Format	an..30	Field Status	C
Field Name	<u>Reference A</u>				

Description This field contains the first extra reference by which the order can be identified. This reference is printed on various order documents and lists.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field tdsls400.refa is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to ERP LN table field tdpur400.refa

Position	9	Field Format	an..20	Field Status	C
Field Name	<u>Reference B</u>				

Description This field contains the second extra reference field that you can fill with extra information. This reference is printed on the order documents and lists.

Processing outgoing
EDI Sub-System

None

ERP LN

The ERP LN table field tdsldr400.refb is mapped to this position

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field tdpur400.refb

Position	10	Field Format	an..9	Field Status	C
Field Name	<u>Internal Sales Represent</u>				

Description This field contains the internal Sales Representative. Code referring to this order can be converted. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN

The Code is mapped from ERP LN table field tdsls400.crep to this position after conversion by table ecedi458.

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	11	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the name of the internal Sales Represent. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN

The description is mapped from the ERP LN Table field tccom001.nama.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	12	Field Format	an..9	Field Status	C
Field Name	<u>External Sales Represent</u>				

Description This field contains the internal Sales Represent Code referring to this order can be converted. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The Code is mapped from ERP LN table field tds400.orps to this position after conversion by table ecedi458.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	13	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the name of the external Sales Represent. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from the ERP LN Table field tccom001.nama.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	14	Field Format	an..9	Field Status	C
Field Name	<u>Contract</u>				

Description This field contains the Contract Number which is defined with the business partner. A Conversion is possible.

Processing outgoing
EDI Sub-System None

ERP LN The sales contract number is mapped from ERP LN table tdsIs400.pno to this position after conversion with ERP LN table ecedi453.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur400.pno after conversion with ERP LN table ecedi314.

Position	15	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>				

Description This field contains a code for the Term of Delivery. This field indicates how to frank the shipment. It contains a unique alphanumerical identification.

You could use the EDIFACT notification or an own definition,
for example CFR = Cost and Freight

CIF = Cost, Insurance and Freight

DES = Delivered Ex Ship

DDU = Delivered Duty Unpaid

FCA = Free Carrier

Processing outgoing
EDI Sub-System None

ERP LN The sales contract number is mapped from ERP LN table field tdsIs400.cdec to this position after conversion with ERP LN table ecedi430.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur400.cdec after conversion with ERP LN table ecedi300.

Position	16	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Delivery)</u>				
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs041.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	17	Field Format	an..20	Field Status	C
Field Name	<u>Forwarding Agent (Carrier)</u>				
Description	This field contains the Carrier's Code which is used for this order. The code list has to be agreed with the Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Forwarding Agent of the sales order from ERP LN table field tdsls400.cfrw is mapped to this position and converted with ERP LN table ecedi456.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur400.cfrw and conversion with ERP LN table ecedi318.				

Position	18	Field Format	an..30	Field Status	C
Field Name	<u>Description (Carrier)</u>				
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs080.dsca.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	19	Field Format	an..6	Field Status	C
Field Name	<u>Late Payment Surcharge</u>				
Description	This field contains the percentage that is charged over the goods amount that has to pay if the bill is not paid within a specified period.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Late Payment Surcharge of the purchase order from ERP LN table field tdsls400.ccrs is mapped to this position. A conversion has to be done with ERP LN table ecedi470.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsls400.ccrs and conversion with ERP table ecedi330.				

Position	20	Field Format	an..30	Field Status	C
Field Name	<u>Description (Late Payment Surcharge)</u>				

Description This field contains the description of the code for the Late Payment Surcharge. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from the ERP LN Table field tcmcs011.dsca.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	21	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Payment</u>				

Description This field contains a Code for the Terms of Payment agreed upon with the relation.

Processing outgoing
EDI Sub-System None

ERP LN The Terms of Delivery of the sales order from ERP LN table field tdsls400.cpay is mapped to this position and converted using the table ecedi466.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur400.cpay and conversion via ERP LN table ecedi326.

Position	22	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Payment)</u>				

Description This field contains the description of the code for the Term of Payment. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN

The description is mapped from the ERP LN Table field tcmcs013.dsca.

Processing Incoming
EDI Sub-System

ERP LN

Position	23	Field Format	n2	Field Status	C
Field Name	<u>Payment Period</u>				

Description This field contains the number of days or months that ERP LN adds to the invoice document date for calculating the due date. The period refers to the term of payment.

Processing outgoing
EDI Sub-System

None

ERP LN

The period is mapped from ERP LN table tcmcs013.pper

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	24	Field Format	n2	Field Status	C
Field Name	<u>Discount Period 1</u>				

Description This field contains the number of days after the invoice date, during which the first discount percentage can be subtracted from the invoice amount. The period refers to the term of payment.

Processing outgoing
EDI Sub-System

None

ERP LN

The period is mapped from ERP LN table tcmcs013.disa

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	25	Field Format	an..4	Field Status	C
Field Name	<u>Discount Percentage 1</u>				

Description This field contains the percentage of the invoice amount that can be subtracted on payment within the first discount period. The period refers to the term of payment.

Processing outgoing
EDI Sub-System

None

ERP LN

The period is mapped from ERP LN table tcmcs013.prca

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	26	Field Format	an..6	Field Status	C
Field Name	<u>Order Currency</u>				

Description This field contains the Currency relevant for the order. It contains the clear alphanumerical identification of the currency. The currency code will be defined according to ISO 4217. For detailed information please refer to []

Processing outgoing
EDI Sub-System

None

ERP LN

The Currency relevant for the sales order from ERP LN table field tds400.ccur is mapped to this position and converted using table ecedi438.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to the ERP LN table field tdpur400.ccur and conversion with ERP LN table ecedi324.

Position	28	Field Format	an..6	Field Status	C
Field Name	<u>Order Discount</u>				

Description This field contains the Order Discount related to the complete order amount defined in percentage: NNN.NN. Maximum is 100.00

Processing outgoing
EDI Sub-System

None

ERP LN

The Order Discount of the sales order from ERP LN table field tds400.odis is mapped to this position.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to the ERP LN table field tdpur400.odis

Position	29	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to-BP / Warehouse</u>				
Description	This position contains the code for the Business Partner where the goods are shipped.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Ship-To Business Partner from ERP LN table field tds400.stbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Warehouse has to convert using the Address Code ID = "ZZ", and it has to map to the ERP LN table field tdpur400.cwar.				

Position	30	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field ecedi218.code is mapped to this position. Default value is the constant value "ZZ"				
Processing Incoming EDI Sub-System					
ERP LN	"ZZ"				

The Default Qualifier 1 (address code) is stored in Pos. 33, 36, 38, 41 and 44 analogously.

Position	31	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position is used to send a constant value in the outgoing message.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "STBP".

Processing Incoming
EDI Sub-System

ERP LN

Position	32	Field Format	an..20	Field Status	C
Field Name	<u>Sold-to BP / Purchase Office</u>				

Description The code of the Sold-to BP (Out) or the purchase office (In).

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Sold-To Business Partner from ERP LN table field tdsIs400.ofbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN The Code for the Purchase Office has to convert using the Address Code ID = "ZZ", and it has to map to the EREP LN table field tdpur400.cofc.

Position	34	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position is used to send a constant value in the outgoing message.

Processing outgoing EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "OFBP".

Processing Incoming EDI Sub-System
ERP LN

Position	35	Field Format	an..20	Field Status	C
Field Name	<u>Sales Office</u>				

Description This position contains the code of the sales office

Processing outgoing EDI Sub-System None

ERP LN The Code of sales office from ERP LN table field tdsls400.cofc is converted using Qualifier "ZZ" (pos. 36), and it is mapped to this position.

Processing Incoming EDI Sub-System
ERP LN

N. A.

Position	37	Field Format	an..20	Field Status	C
Field Name	<u>Warehouse / Ship-from-BP</u>				
Description	This position contains the code for the Business Partner where from the goods are shipped.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Warehouse from ERP LN table field tds400.cwar is converted using the conversion table ecedi224 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Ship From Business Partner has to convert using the conversion table ecedi363 and Address Code ID = "ZZ", and it has to map to the ERP LN table field tdpur400.sfbp.				

Position	39	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				
Description	This position contains the standard qualifier 2 for the Ship-from Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position. Default value is the constant "CWAR".				
Processing Incoming EDI Sub-System					
ERP LN	Use the code "SFBP" to identify the Ship-From BP.				

Position	40	Field Format	an..20	Field Status	C
Field Name	<u>Invoice-from-BP / Invoice- to-BP</u>				
Description	This position contains the code for the Business Partner who will send the invoice to the customer.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Invoice -From Business Partner from ERP LN table field tds400.ifbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Invoice-To-Business Partner has to convert using the conversion table ecedi363 and Address Code ID given in ecedi224, and it has to map to the EREP LN table field tdpr400.itbp.				

Position	42	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				
Description	This position contains the standard qualifier 2 for the Invoice-from/to Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position. Default value is the constant "IFBP".				
Processing Incoming EDI Sub-System					
ERP LN					

Position	43	Field Format	an..20	Field Status	C
Field Name	<u>Pay-by BP</u>				

Description This position contains the code for the Business Partner who will get the money from the customer.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Pay-by Business Partner from ERP LN table field tdsIs400.pbbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	45	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Pay-by Business Partner.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "PBBP".

Processing Incoming
EDI Sub-System

ERP LN

Position	46	Field Format	an..8	Field Status	M
Field Name	<u>Change Order Sequence Number</u>				

Description This field contains the Change Order Sequence Number.

Processing outgoing
EDI Sub-System None

ERP LN The change order sequence number is mapped from ERP LN table field tds400.cosn to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to ERP LN table field tdpur400.cosn

Position	47	Field Format	an..2	Field Status	M
Field Name	<u>Acknowledgement Reason Code</u>				

Description A code that represents the reasons for a sales / purchase acknowledgement. The code has to be agreed to the business partner. Please maintain the table ecedi299 first.

Processing outgoing
EDI Sub-System

ERP LN The Code for the Sales Acknowledgement Code from ERP LN table field tds400.akcd is converted using the conversion table ecedi428 and mapped to the position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file

ERP LN Mapping to ERP LN table field tdpur400.akcd after conversion using ERP table ecedi345.

Position	48	Field Format	an..6	Field Status	C
Field Name	<u>Change Type</u>				

Description This field contains the Change Type of the Order Header. A Conversion is possible.

Processing outgoing
EDI Sub-System None

ERP LN The change type lines code is mapped from ERP LN table tdsls401.ctcd to this position after conversion with ERP LN table ecedi490.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.ctcd after conversion with ERP LN table ecedi340.

Position	49	Field Format	an..6	Field Status	C
Field Name	<u>Change Type Description</u>				

Description This field contains the Change Type's description.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from ERP LN table tcmcs042.dsca

Processing Incoming
EDI Sub-System

ERP LN

Position	50	Field Format	an..9	Field Status	C
Field Name	<u>Point of Title Passage</u>				
Description	The field identifies the point at which the legal ownership changes.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tdsls400.ptpa is mapped to this position after conversion with ERP table ecedi431.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the EREP LN table field tdpur400.ptpa after conversion with ERP table ecedi301.				

Position	51	Field Format	an..6	Field Status	C
Field Name	<u>Change Reason Code</u>				
Description	This field contains the Change Reason of the Order Header. A Conversion is possible.				
Processing outgoing EDI Sub-System	None				
ERP LN	The change reason code is mapped from ERP LN table tdsls401.crcd to this position after conversion with ERP LN table ecedi491.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.ctcd after conversion with ERP LN table ecedi343.				

Position	52	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA2_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA2_END'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

SA3 Order Specific Addresses

Status: Conditional
 Frequency: Multiple by order number
 Description: This data record contains the specific addresses of the order header and is related to data record SA2.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address Qualifier		M	an..6	ecedi224.code	Conversion Evaluation Expression ¹		

¹ **Business Partner's Role**

OFAD = tccom100.inrl = tcyesno.no or (strip(tdsls400.ofad) <> "" and tdsls400.ofad <> tccom120.cadr)

STAD = tccom100.inrl = tcyesno.no or (strip(tdsls400.stad) <> "" and tdsls400.stad <> tccom111.cadr)

ITAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

PFAD = tccom100.inrl = tcyesno.no or (strip(tdsls400.pfad) <> "" and tdsls400.pfad <> tccom114.cadr)

CWAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

Order Response In-house Format		Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
6	Country	C	an..3	tccom130.ccty Code and conversion Evaluation Expression
7	Name	C	an..35	tccom130.nama Evaluation Expression
8	Name 2	C	an..35	tccom130.namb Evaluation Expression
9	Address	C	an..30	tccom130.namc Evaluation Expression
10	Address 2	C	an..30	tccom130.namd Evaluation Expression
11				
12	City 2	C	an..30	tccom130.namf Evaluation Expression
13	ZIP / Postal Code	C	an..10	tccom130.pstc Evaluation Expression
14	State / Province	C	an..2	tccom130.cste Evaluation Expression
15	Telephone	C	an..32	tccom130.telp Evaluation Expression
16	Telex	C	an..15	tccom130.telx Evaluation Expression
17	Fax	C	an..32	tccom130.tefx Evaluation Expression
18	GEO Code	C	an..10	tccom130.geoc Evaluation Expression
19	House number	C	an..10	tccom130.hono Evaluation Expression
20	P.O. Box Number	C	an..10	tccom130.pobn Evaluation Expression

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
21						
22	City Description	C	an..30	tccom130.dsca	Evaluation Expression	
23	City Code	C	an..8	tccom130.ccit	Evaluation Expression	
24						
25	Data Record End Sign	O/I	M an7	SA3_END		

The Data Record SA3 appears repeatedly for the different Business Partner's Address referring to each one Evaluation Expression.

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA3 Order Specific Addresses

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out		

Description This field identifies the type of data record in the message block. It contains the constant value 'SA3'.

Processing outgoing
 EDI Sub-System

ERP LN This field will be filled with the constant value 'SA3'.

Processing Incoming
 EDI Sub-System

ERP LN

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out		

Description This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of Sender</u>		Key field Out		

Description This field contains the identification of the sender (for example, the ILN Number)

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Refer to data record SA2

Processing Incoming

EDI Sub-System

ERP LN

Position	4	Field Format	an..9	Field Status	M
Field Name	<u>Order Number</u>		Key field Out		

Description This field contains the origin Order Number.

Processing outgoing

EDI Sub-System

None

ERP LN

The purchase order number is mapped from ERP LN table field tds400.orno to this position.

Processing Incoming

EDI Sub-System

ERP LN

Appearance referring to the Order - from – Specific Address

Position	5	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier (BP)</u>				

Description	This field contains the Qualifier which identifies the next data set as an address referring to the specific role of the Business partner:. OFAD = The following data refers to the Order - From – Address This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.
Processing outgoing EDI Sub-System	None
ERP LN	The field is filled in from ERP LN table field ecedi224.code depending on the Evaluation Expression = OFAD.
Processing Incoming EDI Sub-System	
ERP LN	

Appearances referring to the specific role's addresses (Outgoing)

Position	5	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier (BP)</u>				

Description	This field contains the Qualifier which identifies the next data set as a ship from address. STBP = The following data refers the Ship To Address; ITBP = Invoice To Address PFBP = Pay From Address This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.
Processing outgoing EDI Sub-System	None
ERP LN	The field is filled in from ERP LN table field ecedi224.code depending on the Evaluation Expression = STAD / ITAD / PFAD.
Processing Incoming EDI Sub-System	
ERP LN	

Appearance referring to the Receipt (Warehouse) Address

Position	5	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier (WH)</u>				

Description This field contains the Qualifier which identifies the next data set as a ship from address.:
 CWAR = Following data is the BP's Warehouse Address
 This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.

Processing outgoing
 EDI Sub-System None

ERP LN The field is filled in from ERP LN table field ecedi224.code depending on the Evaluation Expression = CWAR.
 The default value is "CWAR"

Processing Incoming
 EDI Sub-System

ERP LN

All following fields refer to the evaluation expression of the data record's appearance analogously position 5.

Position	6	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				

Description This field contains the Country of the Address.
 The country codes have to be defined in ERP LN table ecedi226.

Processing outgoing
 EDI Sub-System None

ERP LN The country code of the address from ERP LN table field tccom130.ccty is mapped to this position and converts with ERP LN table ecedi440.

Processing Incoming
 EDI Sub-System

ERP LN

Position	7	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the first part of Name

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Name from ERP LN table field tcom130.nama is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Name from ERP LN table field tcom130.namb is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				

Description This field contains the first part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Address from ERP LN table field tcom130.namc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				
Description	This field contains the second part of the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The second part of the Address from ERP LN table field tcom130.namd is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				
Description	This field contains further information to the City				
Processing outgoing EDI Sub-System	None				
ERP LN	The City information from ERP LN table field tcom130.namf is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	13	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				
Description	This field contains the ZIP or postal code referring to the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The ZIP Code from ERP LN table field tcom130.pstc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	14	Field Format	an..2	Field Status	C
Field Name	<u>State / Province</u>				

Description This field contains the State / province information referring to the delivery address

Processing outgoing
EDI Sub-System

None

ERP LN

The State / province from ERP LN table field tcom130.cstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	15	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				

Description This field contains the telephone number

Processing outgoing
EDI Sub-System

None

ERP LN

The Telephone number from ERP LN table field tcom130.telp is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description This field contains the telex number

Processing outgoing
EDI Sub-System

None

ERP LN

The Telex number from ERP LN table field tcom130.telx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..32	Field Status	C
Field Name	<u>Fax</u>				

Description This field contains the Fax number

Processing outgoing
EDI Sub-System None

ERP LN The Fax number from ERP LN table field tccom130.tefx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	18	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description This field contains the GEO Code

Processing outgoing
EDI Sub-System None

ERP LN The GEO Code from ERP LN table field tccom130.geoc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	19	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				

Description This field contains the house number referring to the address

Processing outgoing
EDI Sub-System None

ERP LN The house number from ERP LN table field tccom130.hono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..10	Field Status	C
Field Name	<u>P.O. Box Number</u>				

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

ERP LN The Box number from ERP LN table field tccom130.pobn is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	22	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>				

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

ERP LN The string from ERP LN table field tccom130.dsca is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	23	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description This field contains the Code of the City

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field tccom130.ccit is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	25	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA3_END'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA3_END'.

Processing Incoming
EDI Sub-System

ERP LN

SA4 Order Header Text – Text Data

Status: Conditional
 Frequency: Once by order
 Description: This data record contains the text information of the Order header and is related to SA2.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA4		SA4	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..9 an..30	tdsls400.orno		ecedi702.msno	
5	Header text 1		C	an..80	tdsls400.txta		tdpur400.txta	
6	Header text 2		C	an..80			tdpur400.txta	
7	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA4 Order Header Text

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		
Description	This field identifies the type of data record in the message block. It contains the constant value 'SA4'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA4'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA2				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		

Description This field contains the identification of the sender (for example, the ILN Number)

Processing outgoing
EDI Sub-System

.

ERP LN Refer to data record SA2

Processing Incoming
EDI Sub-System

ERP LN Refer to data record SA2

Position	4	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Order Number</u>		Key field Out / In		

Description This field contains the origin Order Number.

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA2.

Processing Incoming
EDI Sub-System

.

ERP LN Refer to data record SA2

Position	5	Field Format	an..80	Field Status	C
Field Name	<u>Order Header Text 1</u>				
Description	This field contains a free text with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field tdsIs400.txta to position.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdpur400.txta				

Position	6	Field Format	an..80	Field Status	C
Field Name	<u>Order Header Text 2</u>				
Description	This field contains a free text with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	N. A.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdpur400.txta				

Position	7	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA4_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA4_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA4_END'.				
ERP LN	None				

SA5 Order Line

Status: Mandatory
 Frequency: Multiple by order number
 Description: This data records contain information about the ordered items and is related to SA2.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA5		SA5	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..9 an..30	tdsls401.orno		ecedi702.msno	
5	Order Position Number		M	an..4 an..16	tdsls401.pono		ecedi705.refn	
6	Customer Order Sequence		M	an..4 an..11	tdsls401.sqnb		ecedi705.rsqn	
7	Customer Order Position		C	an..16 an..4	tdsls401.corp		tdpur401.pono	
8	Customer Order Sequence		C	an..11 an..4	tdsls401.cors		tdpur401.sqnb	
9	Project		C	an..9	tdsls401.cprj		tdpur401.cprj	
10	Qualifier Item Code		M	an..6	SA		SA	
11	BP's Item Code		C	an..47	tdsls401.item	Conversion	tdpur401.item	Conversion
12	Item		C	an..47	tdsls401.item			

Order Response In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
13	Description of the Item	C an..30	tcibd001.dsca	
14	Ordered Quantity	C n..16	tdsls401.qoor	tdpur401.qoor
15	Back Order Quantity	C n..16	tdsls401.qbbo	
16	Sales / Purchase Unit	C an..3	tdsls401.cuqs Code and Conversion	tdpur401.cuqp Code and Conversion
17	Price	C n..16	tdsls401.pric	tdpur401.pric
18	Price Unit	C an..3	tdsls401.cups Code and Conversion	tdpur401.cupp Code and Conversion
19	Order Line Discount Percentage 1	C n..6	tdsls401.disc(1)	tdpur401.disc(1)
20	Order Line Discount Percentage 2	C n..6	tdsls401.disc(2)	tdpur401.disc(2)
21	Order Line Discount Percentage 3	C n..6	tdsls401.disc(3)	tdpur401.disc(3)
22	Order Line Discount Percentage 4	C n..6	tdsls401.disc(4)	tdpur401.disc(4)
23	Order Line Discount Percentage 5	C n..6	tdsls401.disc(5)	tdpur401.disc(5)
24	Amount	C n..16	tdsls401.oamt	tdpur401.oamt
25	Planned / Confirmed Receipt Date	C n..14	tdsls401.prdt	tdpur401.ddtc
26	Order Date	C n..14	tdsls401.odat	
27	Discount Code 1	C an..20	tdsls401.cdis(1) Code- and Conversion	tdsls401.cdis(1) Code- and Conversion
28	Discount Code 2	C an..20	tdsls401.cdis(2) Code- and Conversion	tdpur401.cdis(2) Code- and Conversion

Order Response In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
29	Discount Code 3	C an..20	tdsls401.cdis(3)	Code- and Conversion	tdpur401.cdis(3)	Code- and Conversion
30	Discount Code 4	C an..20	tdsls401.cdis(4)	Code- and Conversion	tdpur401.cdis(4)	Code- and Conversion
31	Discount Code 5	C an..20	tdsls401.cdis(5)	Code- and Conversion	tdpur401.cdis(5)	Code- and Conversion
32	Discount Method 1	C an..20	tdsls401.dmth(1)	Code and Conversion	tdpur401.dmth(1)	Code- and Conversion
33	Discount Method 2	C an..20	tdsls401.dmth(2)	Code and Conversion	tdpur401.dmth(2)	Code- and Conversion
34	Discount Method 3	C an..20	tdsls401.dmth(3)	Code and Conversion	tdpur401.dmth(3)	Code- and Conversion
35	Discount Method 4	C an..20	tdsls401.dmth(4)	Code and Conversion	tdpur401.dmth(4)	Code- and Conversion
36	Discount Method 5	C an..20	tdsls401.dmth(5)	Code and Conversion	tdpur401.dmth(5)	Code- and Conversion
37	Discount Amount 1	C n..16	tdsls401.ldam(1)		tdpur401.ldam(1)	
38	Discount Amount 2	C n..16	tdsls401.ldam(2)		tdpur401.ldam(2)	
39	Discount Amount 3	C n..16	tdsls401.ldam(3)		tdpur401.ldam(3)	
40	Discount Amount 4	C n..16	tdsls401.ldam(4)		tdpur401.ldam(4)	
41	Discount Amount 5	C n..16	tdsls401.ldam(5)		tdpur401.ldam(5)	
42	Lot Selection	C an..20	tdsls401.lsel	Code and Conversion	tdpur401.lsel	Code and Conversion
43	Lot	C an..20	tdsls401.clot		tdpur401.clot	Code and Conversion
44	Qualifier Lot	C an..6			ZZ	
45	Business Partner's Lot	C an..30	whlct100.ltbp	Conversion		
46	Qualifier Business Partner's Lot	M an..6	ecedi477.code / BP			
47	Sales / Purchase Acknowledgement	C an..6	tdsls401.akcd	Code and Conversion	tdpur401.akcd	Code and Conversion
48	Ship-to BP / Warehouse	M an..20	tdsls401.stbp	Conversion	tdpur401.cwar	Conversion

Order Response In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
49	Qualifier Address Code	M an..6	ecedi218.code / ZZ	ZZ
50	Address/BP Code	C an..6	STBP	CWAR
51	Warehouse / Ship-from BP	M an..20	tdsls401.cwar Conversion	tdsls401.sfbp Conversion
52	Qualifier Address Code	M an..6	ecedi218.code / ZZ	ZZ
53	Address/BP Code	C an..6	ecedi224.code/ CWAR	SFBP
54	Planned Delivery Date	C n..14	tdsls401.ddta	
55	Delivery Date	C n..14	tdsls401.dldt	
56	Delivered Quantity	C n..16	tdsls401.qidl	
57	Carrier	C an..20	tdsls401.cfrw Conversion	tdpur401.cfrw Conversion
58	Change Type Lines	C an..6	tdsls401.ctcd Code and Conversion	tdpur401.ctcd Conversion
59	Change Reason Lines	C an..6	tdsls401.crcd Code and Conversion	tdpur401.crcd Conversion
60	Length of the Item	C n..16	tdsls401.leng	tdpur401.leng
61	Width of the item	C n..16	tdsls401.widt	tdpur401.widt
62	Height of the Item	C n..16	tdsls401.thic	tdpur401.thic
63	Order Confirmation Date	C n..14	current date	tdpur401.ddtf
64	Tax Code	C an..10	tdsls401.cvat Code- and Conversion	tdpur401.cvat Code and Conversion
65	Qualifier Tax Code	M an..3	"ZZ"	"ZZ"
66	Exempt Reason	C an..6	tdsls401.rcod Code and Conversion	tdsls401.rcod Code and Conversion
67	Exempt Certificate	C an..20	tdsls401.ceno	tdpur401.ceno
68				
69	Effectivity Unit	C n..8	tdsls401.effn	tdpur401.effn
70	Terms of Delivery	C an..6	tdsls401.cdec Code and Conversion	tdpur401.cdec Code and Conversion

Order Response In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
71	Description Terms of Delivery	C an..30	tcmcs041.dsca	
72	Point of Title Passage	C an..12	tdsls401.ptpa Code and Conversion	tdpur401.ptpa Code and Conversion
73	Description Point of Title Passage	C an..50	tcmcs042.dsca	
74	Exempt	C n1	tdsls401.exmt	tdpur401.exmt
75	Tax Country	C an..6	tdsls401.ccty Code and Conversion	tdpur401.ccty Code and Conversion
76				
77	BP Tax Country	C an..6	tdsls401.bptc Code and Conversion	tdpur401.bptc Code and Conversion
78	Preferred Manufacturer	C an..35		tdpur401.mpr
79	Manufacturer	C an..6		tdpur401.cmnf
80	Data record end sign	M an..7	SA5_END	SA5_END

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA5 Order Line

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		
Description	This field identifies the type of data record in the message block. It contains the constant value 'SA5'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA5'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA2				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of Sender</u>		Key field Out		

Description This field contains the identification of the sender (for example, the ILN Number)

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Refer to data record SA2

Processing Incoming

EDI Sub-System

ERP LN

Refer to data record SA2

Position	4	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Order Number</u>		Key field Out / In		

Description This field contains the origin Order Number.

Processing outgoing

EDI Sub-System

None

ERP LN

The purchase order number is mapped from ERP LN table field tds400.orno to this position.

Processing Incoming

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field ecedi702.msno

Position	5	Field Format	n..4/an..16	Field Status	M
Field Name	<u>Order Position Number</u>				

Description This field contains the Order Position Number.

Processing outgoing

EDI Sub-System

None

ERP LN

The purchase order line's number from ERP LN table field ts401.pono is mapped to this position.

Processing Incoming

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field ecedi705.refn

Position	6	Field Format	n..4 / an..16	Field Status	M
Field Name	<u>Customer Order Sequence</u>				
Description	This field contains the Customer Order Sequence.				
Processing outgoing EDI Sub-System	None				
ERP LN	The purchase order line's sequence number from ERP LN table field tdsls401.sqnb is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field ecedi705.rsqn				

Position	9	Field Format	an..9	Field Status	C
Field Name	<u>Project</u>				
Description	This field contains the Project Number				
Processing outgoing EDI Sub-System	None				
ERP LN	The project from ERP LN table field tdsls401.cprj is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field tdpur401.cprj				

Position	10	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code</u>				

Description	This field contains the qualifier for the item code.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with ecedi011.code, default value "SA".
Processing Incoming EDI Sub-System	"SA"
ERP LN	Used as qualifier for the conversion of the item code.

Position	11	Field Format	an..47	Field Status	C
Field Name	<u>Buyer's Item Code</u>				

Description	This field contains the Buyer's item code.
Processing outgoing EDI Sub-System	
ERP LN	The item code from ERP LN table field tdsIs401.item is mapped to this position. If the buyer wants to send out the EAN Item Code a conversion is needed. The conversion setup has to be adapted to the demand under the use of the corresponding qualifier.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tdpur401.item after conversion of the given qualifier.

Position	12	Field Format	an..47	Field Status	C
Field Name	<u>Item Code</u>				

Description This field contains the internal item code.

Processing outgoing
EDI Sub-System

ERP LN The item code from ERP LN table field tdsls401.item is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	13	Field Format	an..30	Field Status	C
Field Name	<u>Description of the item</u>				

Description This field contains the description of the item.

Processing outgoing
EDI Sub-System

ERP LN The description of the item from ERP LN table field tcibd001.dsca is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN None

Position	14	Field Format	n..16	Field Status	C
Field Name	<u>Ordered Quantity</u>				

Description This field contains the quantity ordered on this order line.

Processing outgoing
EDI Sub-System

ERP LN The ordered quantity from ERP LN table field tdsls401.quor is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.quor.

Position	15	Field Format	n..16	Field Status	C
Field Name	<u>Back Order Quantity</u>				

Description The field contains the back order quantity of the order line.

Processing outgoing
EDI Sub-System

ERP LN The quantity from ERP LN table field tdsls401.qbbo is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..3	Field Status	C
Field Name	<u>Sales / Purchase Unit</u>				

Description This field contains the purchase/sales unit of the item.

Processing outgoing
EDI Sub-System

ERP LN The purchase unit from ERP LN table field tdsls401.cups is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.cuqp and conversion with ERP LN table ecedi304 is possible.

Position	17	Field Format	n..16	Field Status	C
Field Name	<u>Price</u>				

Description This field contains the price of the item referring to the given price unit.

Processing outgoing
EDI Sub-System

ERP LN The price from ERP LN table field tdsls401.pric is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.pric.

Position	18	Field Format	an..3	Field Status	C
Field Name	<u>Price Unit</u>				

Description This field contains the purchase/sales unit the price refers to.

Processing outgoing
EDI Sub-System

ERP LN The purchase price unit from ERP LN table field tdsls401.cups is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.cupp and conversion with ERP LN table ecedi304 is possible.

Positions	19..23	Field Format	n..6	Field Status	C
Field Name	<u>Order line Discount Percentage</u>				

Description These fields contain the percentages for the order line discounts referring to 5 levels.

Processing outgoing
EDI Sub-System

ERP LN The percentages of the order line discounts from ERP LN table fields tdsls401.disc (1..5) are mapped to these positions.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table fields tdpur401.disc (1..5).

Positions	24	Field Format	n..16	Field Status	C
Field Name	<u>Amount</u>				

Description
Processing outgoing
EDI Sub-System

These fields contain the amount of the order line.

ERP LN

The amount from ERP LN table field tdsls401.oamt is mapped to this position.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to the ERP LN table field tdpur401.oamt.

Position	25	Field Format	n..14	Field Status	C
Field Name	<u>Planned / Confirmed Receipt Date / Time</u>				

Description

The planned receipt date/time of the order line is the date/time on which the items on the order line must be delivered. The incoming message includes the confirmed receipt date.

Processing outgoing
EDI Sub-System

ERP LN

The planned receipt date is mapped from ERP LN table field tdsls401.prdt is mapped to this position.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to the ERP LN table field tdpur401.ddtc.

Positions	32..36	Field Format	an..20	Field Status	C
Field Name	<u>Discount Method</u>				

Description
Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN

These fields contain the discount methods.

The methods for the discounts from ERP LN table fields tds401.dmth (1...5) are mapped to these positions and converted using ERP LN table ecedi475.

Transmission of the value from the message file.

Mapping to the ERP LN table fields tdpur401.dmth (1..5) and conversion using ERP LN table ecedi333.

Positions	37..41	Field Format	n..16	Field Status	C
Field Name	<u>Discount Amount</u>				

Description
Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN

These fields contain the amount of the order line discount.

The amounts of the discounts from ERP LN table fields tds401.lam (1...5) are mapped to these positions.

Transmission of the value from the message file.

Mapping to the ERP LN table fields tdpur401.lam(1..5)

Position	42	Field Format	an..20	Field Status	C
Field Name	<u>Lot Selection Code</u>				

Description This field contains the lot selection code.

Processing outgoing
EDI Sub-System

ERP LN The lot selection from ERP LN table field tdsls401.lsel is mapped to this position and converted using ERP LN table ecedi476.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.lsel and conversion using ERP LN table ecedi334.

Position	43	Field Format	an..20	Field Status	C
Field Name	<u>Lot</u>				

Description This field contains the item's lot.

Processing outgoing
EDI Sub-System

ERP LN The lot from ERP LN table field tdsls401.clot is mapped to this position

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.clot after conversion by ERP LN table ecedi335 using the qualifier of field 43.

Position	44	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Lot</u>				

Description This field contains the lot identification code related to the BP.
This qualifier defines if the code in message is the internal code or the BP code.

Processing outgoing
EDI Sub-System N. A:

ERP LN

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN

Position	45	Field Format	an..30	Field Status	C
Field Name	<u>Business Partner's Lot</u>				

Description This field contains the lot from the Business Partner.

Processing outgoing
EDI Sub-System

ERP LN The lot from ERP LN table field whltc100.ltp is mapped to this position after conversion by table ecedi477

Processing Incoming
EDI Sub-System

ERP LN

Position	46	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Business Partner Lot</u>				

Description This field contains the qualifier for the Business Partner's lot.

Processing outgoing
EDI Sub-System

ERP LN The entry of the ERP LN table field ecedi477.code is used; default value "BP"

Processing Incoming
EDI Sub-System

ERP LN

Position	47	Field Format	an..6	Field Status	C
Field Name	<u>Sales / Purchase Acknowledgement</u>				

Description This position contains the code that represents the reason for a change of the sales / purchase order.

Processing outgoing EDI Sub-System None

ERP LN The Acknowledgement Code from ERP LN table field tdsls401.akcd is converted using the conversion table ecedi428 and it is mapped to this position.

Processing Incoming EDI Sub-System Transmission of the value from the message file.

ERP LN The Code to convert using the table ecedi345 and it has to map to the ERP LN table field tdpur401.akcd.

Position	48	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to BP / Warehouse</u>				

Description This position contains the code for the Business Partner where the goods are shipped.

Processing outgoing EDI Sub-System None

ERP LN The Code of the Ship-to BP from ERP LN table field tdsls401.stbp is converted using the conversion table ecedi468 and the default Qualifier "ZZ", and it is mapped to this position.

Processing Incoming EDI Sub-System Transmission of the value from the message file.

ERP LN The Code of the Warehouse has to convert using the Address Code ID, and it has to map to the ERP LN table tdpur401.cwar field.

Position	49	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				

Description This position is used to store the default qualifier 1 for the Address code which is defined in the message definition. It can be used to identify the ship-to warehouse and ship-to address.

Processing outgoing
EDI Sub-System

None

ERP LN

"ZZ"

Processing Incoming
EDI Sub-System

ERP LN

"ZZ"

Position	50	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position contains the standard qualifier 2 for the Warehouse

Processing outgoing
EDI Sub-System

None

ERP LN

The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.

Default value is the constant "STBP".

Processing Incoming
EDI Sub-System

ERP LN

Position	51	Field Format	an..20	Field Status	C
Field Name	<u>Warehouse / Ship-from-BP</u>				
Description	This position contains the code of the delivery warehouse of the message sender.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code of the warehouse from ERP LN table field tdsIs401.cwar is converted using the conversion table ecedi462 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Ship-from BP has to convert using the Address Code ID = "ZZ" and the conversion table ecedi328, it has to map to the ERP LN table field. tdpur401.sfbp				

Position	52	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition.				
Processing outgoing EDI Sub-System	None				
ERP LN	"ZZ"				
Processing Incoming EDI Sub-System					
ERP LN	"ZZ"				

Position	53	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Ship-from Business Partner or customer's warehouse.

Processing outgoing
EDI Sub-System

None

ERP LN

The ERP LN table field ecedi462.code referring to the Qualifier Address Code is mapped to this position.

Default value is the constant "CWAR".

Processing Incoming
EDI Sub-System

ERP LN

Use the code "SFBP" to identify the Ship-from BP.

Position	54	Field Format	n..14	Field Status	C
Field Name	<u>Planned Delivery Date / Time</u>				

Description The planned delivery date/time of the order line is the date/time on which the items on the order line must be delivered.

Processing outgoing
EDI Sub-System

ERP LN

The order date of the order line from ERP LN table field tdsis401.ddta is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	57	Field Format	an..20	Field Status	C
Field Name	<u>Forwarding Agent (Carrier)</u>				

Description This field contains the code for the forwarding agent.

Processing outgoing
EDI Sub-System

ERP LN The code of the forwarding agent from ERP LN table field tdsIs401.cfrw is mapped to this position and converted using ERP LN table ecedi456.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.cfrw and conversion using ERP LN table ecedi318.

Position	58	Field Format	an..6	Field Status	C
Field Name	<u>Change Type Lines</u>				

Description This field contains the Change Type Lines Code. A Conversion is possible.

Processing outgoing
EDI Sub-System None

ERP LN The change type lines code is mapped from ERP LN table tdsIs401.ctcd to this position after conversion with ERP LN table ecedi490.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.ctcd after conversion with ERP LN table ecedi340.

Position	59	Field Format	an..6	Field Status	C
Field Name	<u>Change Reason Lines</u>				

Description This field contains the Change Reason Lines Code which is defined with the business partner. A Conversion is possible.

Processing outgoing
EDI Sub-System None

ERP LN The change reason lines code is mapped from ERP LN table tdsls401.crcd to this position after conversion with ERP LN table ecedi491.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdsls401.crcd after conversion with ERP LN table ecedi342.

Position	60	Field Format	n..16	Field Status	C
Field Name	<u>Length</u>				

Description This field contains the length of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN The length from ERP LN table field tdsls401.leng is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.leng.

Position	61	Field Format	n..16	Field Status	C
Field Name	<u>Width</u>				

Description This field contains the width of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN The width from ERP LN table field tdsls401.widt is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.widt.

Position	62	Field Format	n..16	Field Status	C
Field Name	<u>Height</u>				

Description This field contains the height of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN The height from ERP LN table field tdsls401.thic is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.thic.

Position	63	Field Format	n..14	Field Status	C
Field Name	<u>Order Confirmation Date</u>				

Description This field contains the date on which the order is confirmed by the supplier.

Processing outgoing
EDI Sub-System

ERP LN The current date / time is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.ddtf

Position	64	Field Format	an..10	Field Status	C
Field Name	<u>Tax Code</u>				

Description This field contains the tax code.

Processing outgoing
EDI Sub-System

ERP LN The tax code from ERP LN table field tdsls401.cvat is mapped to this position and converted with ERP LN table ecedi446 using the Tax Code ID of Pos. 63.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.cvat after conversion with ERP LN table ecedi308 using the Tax Code ID of Pos. 65.

Position	65	Field Format	an..3	Field Status	C
Field Name	<u>Qualifier Tax Code ID</u>				
Description	This field contains the qualifier for the tax code.				
Processing outgoing EDI Sub-System	None				
ERP LN	This field will be filled with "ZZ".				
Processing Incoming EDI Sub-System					
ERP LN	"ZZ"				

Position	66	Field Format	an..6	Field Status	C
Field Name	<u>Exempt Reason</u>				
Description	This field contains the exempt reason.				
Processing outgoing EDI Sub-System	None				
ERP LN	The exempt reason is mapped from ERP LN table field tdsIs401.rcod to this position after conversion with ERP LN table ecedi495.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.rdoc after conversion with ERP LN table ecedi353.				

Position	67	Field Format	an..20	Field Status	C
Field Name	<u>Exempt Certificate</u>				
Description	This field contains the exempt certificate.				
Processing outgoing EDI Sub-System					
ERP LN	The exempt certificate from ERP LN table field tdsIs401.ceno is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.ceno.				

Position	69	Field Format	n..8	Field Status	C
Field Name	<u>Effectivity Unit</u>				

Description This field contains the Effectivity unit.

Processing outgoing
EDI Sub-System

ERP LN The Effectivity unit from ERP LN table field tdsIs401.effn is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.effn.

Position	70	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>				

Description This field contains a code for the Term of Delivery.

Processing outgoing
EDI Sub-System None

ERP LN The terms of delivery code is mapped from ERP LN table tdsIs401.cdec to this position after conversion with ERP LN table ecedi430.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.cdec after conversion with ERP LN table ecedi300.

Position	71	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Delivery)</u>				

Description This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from the ERP LN Table field tcmcs041.dsca.

Processing Incoming
EDI Sub-System

ERP LN

Position	72	Field Format	an..12	Field Status	C
Field Name	<u>Point of Title Passage</u>				

Description This field contains the point of title passage.

Processing outgoing
EDI Sub-System None

ERP LN The point of title passage is mapped from ERP LN table tdsls401.ptpa to this position after conversion with ERP LN table ecedi431.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdsls401.ptpa after conversion with ERP LN table ecedi301.

Position	73	Field Format	an..50	Field Status	C
Field Name	<u>Description</u> (Point of Title Passage)				

Description This field contains the description of the point of title passage. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from the ERP LN Table field tcmcs042.dsca.

Processing Incoming
EDI Sub-System

ERP LN

Position	74	Field Format	n..10	Field Status	C
Field Name	<u>Exempt</u>				

Description This field contains a qualifier if tax exemption applies or not.

Processing outgoing
EDI Sub-System

ERP LN The exempt qualifier from ERP LN table field tds401.exmt is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.exmt.

Position	75	Field Format	an..6	Field Status	C
Field Name	<u>Tax Country</u>				

Description This field contains the country code which is linked to the tax code.

Processing outgoing
EDI Sub-System None

ERP LN The tax country code is mapped from ERP LN table field tds401.ccty to this position after conversion with ERP LN table ecedi440.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdpur401.ccty after conversion with ERP LN table ecedi302.

Position	77	Field Format	an..6	Field Status	C
Field Name	<u>BP Tax Country</u>				

Description This field contains the tax country code of the Business Partner.

Processing outgoing
EDI Sub-System None

ERP LN The business partner tax country code is mapped from ERP LN table TBtdpur401.bptc to this position after conversion with ERP LN table TBecedi440.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tds1s401.bptc after conversion with ERP LN table ecedi302.

Position	78	Field Format	an..35	Field Status	C
Field Name	<u>Preferred Manufacturer</u>				

Description The field contains the preferred manufacturer's number

Processing outgoing
EDI Sub-System

ERP LN N. A.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN The code for the preferred manufacturer is mapped to the ERP LN table field tdpur401.mpnr.

Position	79	Field Format	an..6	Field Status	C
Field Name	<u>Manufacturer</u>				
Description	A supplier of finished goods.				
Processing outgoing EDI Sub-System					
ERP LN	N. A.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The code for the manufacturer from the ERP LN Table field tdpur401.cmnf is mapped to this position.				

Position	80	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA5_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA5_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5_END'.				
ERP LN	None				

SA6 Order Line Text – Text Data

Status: Conditional
 Frequency: Once by order line
 Description: This data record contains the text information of the order line and is related to SA5.

Order Change Resp. In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O/I	M	an3	SA6		SA6	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..9 an..30	tdsls400.orno		ecedi702.msno	
5	Order Position Number	O/I	M	n..5 an..16	tdsls401.pono		ecedi705.refn	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdsls401.sqnb		ecedi707.rsqn	
7	Free text 1		C	an..80	tdpur401.txta		tdpur401.txta	
8	Free text 2		C	an..80			tdpur401.txta	
9	Data Record End Sign	O/I	M	an7	SA6_END		SA6_END	

Detailed description: Order Change Acknowledgement/Response
 Type of data record: SA6 Order Line Text

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		
Description	This field identifies the type of data record in the message block. It contains the constant value 'SA6'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA6'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA6'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA5				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA5				

The record fields SA6 / 3 until SA6 / 6 refer to the same fields of the data record SA5 (order line).

Position	7	Field Format	an..80	Field Status	C
Field Name	<u>Line Text 1</u>				
Description	This field contains a free text 1 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field tdpur401.txta to position.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdsls401.txta				

Position	8	Field Format	an..80	Field Status	C
Field Name	<u>Line Text 2</u>				
Description	This field contains a free text 2 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdsls401.txta				

Position	9	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA6_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA6_END'.				
ERP LN	None				

SA7 Order Line's Specific Delivery Address

Status: Conditional
 Frequency: Maximal twice by order line
 Description: This data record contains the delivery address referring to the Order line and is related to SA5.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Type of data record	O	M	an3	SA7			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O	M	an..9 an..30	tdsls400.orno			
5	Order Position Number	O	M	n..5 an..16	tdsls401.pono			
6	Customer Order Sequence	O	M	n..5 an..11	tdsls401.sqnb			
7	Address Qualifier		M	an..6	ecedi224.code	Conversion Evaluation Expression ²		

² CWAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

LNSTAD = tccom100.inrl = tcyesno.no or (strip(tdsls401.stad) <> "" and tdsls401.stad <> tccom111.cadr)

Order Response In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
8	Country	C an..3	tccom130.ccty	Code and conversion / Evaluation Expression
9	Name	C an..35	tccom130.nama	Evaluation Expression
10	Name 2	C an..35	tccom130.namb	Evaluation Expression
11	Address	C an..30	tccom130.namc	Evaluation Expression
12	Address 2	C an..30	tccom130.namd	Evaluation Expression
13				
14	City 2	C an..30	tccom130.namf	Evaluation Expression
15	ZIP / Postal Code	C an..10	tccom130.pstc	Evaluation Expression
16	State / Province	C an..2	tccom130.cste	Evaluation Expression
17	Telephone	C an..32	tccom130.telp	Evaluation Expression
18	Telex	C an..15	tccom130.telx	Evaluation Expression
19	Fax	C an..32	tccom130.tefx	Evaluation Expression
20	GEO Code	C an..10	tccom130.geoc	Evaluation Expression
21	House number	C an..10	tccom130.hono	Evaluation Expression
22	P.O. Box Number	C an..10	tccom130.pobn	Evaluation Expression
23				
24	City Description	C an..30	tccom130.dsca	Evaluation Expression

Order Response In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
25	City Code	C	an..8	tccom130.ccit Evaluation Expression	
26	Data Record End Sign	O/I	M an7	SA7_END	

Detailed description: Order Change Acknowledgement/Response

Type of data record: SA7 Order Line's Specific Delivery Address

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Type of Data Record</u>		Key field Out / IN		

Description This field identifies the type of data record in the message block. It contains the constant value 'SA7'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA7'.

Processing Incoming
EDI Sub-System

ERP LN

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		

Description
 This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
 EDI Sub-System

ERP LN

The record fields SA7 / 3 until SA7 / 6 refer to the same fields of the data record SA5 (order line).

Appearances referring to the line specific addresses

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address Qualifier</u>				

Description
 This field contains the Qualifier which identifies the next data set as an address referring to the line specific Ship-From / Ship-To Address.
 CWAR = The following data is the warehouse Address
 STBP = The following data is the Ship to (delivery) address
 This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.

Processing outgoing
 EDI Sub-System None

ERP LN The field is filled in from ERP LN table field ecedi224.code depending on the evaluation expression LNSTAD / CWAR
 the default value is "STBP" referring to LNSTAD

Processing Incoming
 EDI Sub-System

ERP LN

All following fields refer to the evaluation expression of the data record's appearance analogously position 7.

Position	8	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				

Description

This field contains the Country of the Address.

The country codes are defined in ERP LN table ecedi226.

Processing outgoing

EDI Sub-System

None

ERP LN

The country code of the address from ERP LN table field tccom130.ccty is mapped to this position and converts with ERP LN table ecedi440.

Processing Incoming

EDI Sub-System

ERP LN

Position	9	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description

This field contains the first part of Name

Processing outgoing

EDI Sub-System

None

ERP LN

The First part of the Name from ERP LN table field tccom130.nama is mapped to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				

Description This field contains the first part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Address from ERP LN table field tccom130.namc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				

Description This field contains the second part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Address from ERP LN table field tccom130.namd is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	14	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				

Description This field contains further information to the City

Processing outgoing
EDI Sub-System None

ERP LN The City information from ERP LN table field tccom130.namf is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	15	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				

Description This field contains the ZIP or postal code referring to the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The ZIP Code from ERP LN table field tccom130.pstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..2	Field Status	C
Field Name	<u>State / Province</u>				

Description This field contains the State / province information referring to the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The State / province from ERP LN table field tccom130.cstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				

Description This field contains the telephone number

Processing outgoing
EDI Sub-System None

ERP LN The Telephone number from ERP LN table field tccom130.telp is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	18	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description This field contains the telex number

Processing outgoing
EDI Sub-System None

ERP LN The Telex number from ERP LN table field tccom130.telx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	19	Field Format	an..32	Field Status	C
Field Name	<u>Fax</u>				

Description This field contains the Fax number

Processing outgoing
EDI Sub-System None

ERP LN The Fax number from ERP LN table field tccom130.tefx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description This field contains the GEO Code

Processing outgoing
EDI Sub-System None

ERP LN The GEO Code from ERP LN table field tccom130.geoc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	21	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				

Description This field contains the house number referring to the address

Processing outgoing
EDI Sub-System None

ERP LN The house number from ERP LN table field tccom130.hono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	22	Field Format	an..10	Field Status	C
Field Name	<u>P.O. Box Number</u>				

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

ERP LN The Box number from ERP LN table field tccom130.pobn is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>				

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

ERP LN The string from ERP LN table field tccom130.dsca is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	25	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description This field contains the Code of the City

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field tccom130.ccit is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	26	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>		Key field		

Description This field identifies the end of data record in the message block. It contains the constant value 'SA7_END'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA7_END'.

Processing Incoming
EDI Sub-System

ERP LN

Chapter 3 Definitions, Acronyms, and Abbreviations

3

Term	Description
ANSI X12	American National Standards Institute Accredited Standards Committee X12; Standard definitions of American EDI Directories
ASCII	American Standard Code for Information Interchange
BEM	Baan Electronic Message - abbreviated form of BEMIS used with the definition of the EDI organization
BEMIS	“BAAN Electronic Message Interchange System”; it is used for the ERP LN In-house EDI format
BP	Business Partner; used for Customer and Supplier
EDI	Electronic Data Interchange; electronic exchange of documents in standard formats
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport; Standard definitions of United Nations Directories
GLN	Global Location Number, a thirteen digit number used to identify legal entities, trading parties and locations.
ID	Identification
ILN	International Location Number, see GLN
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

1;1;1;1;1;0;0;0;0;1;"";"";"";"";AL;"ETCUS2";"ZZ";"0";"WHAMS1";"ZZ";"SFBP";20080806;;0;"VDT";"005";"001";
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;;;;"SA5_END"

"SA5";"ETN08080611005200000000000000000002";"ETN293";"293002240";20;0;"";"";"";"BP";" ETSOTA";
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"001";0;0;0;20080806;"HIGH";"ZZ";"";"";0;"CIF";"Cost, insurance and freight";"";"TEST VD";2;"NLD";"NLD";;;;;;;;;;
;;;;"SA5_END"

"SA6";"ETN08080611005200000000000000000002";"ETN293";"293002240";10;0;;;;"SA6_END"

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"SA7";"ETN08080611005200000000000000000002";"ETN293";"293002240";10;0;"0";"NLD";"com110:Amsterdam
Weesperstraat 103";"";"Weesperstraat";"";"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";"";"103";"";
;"Amsterdam";"AMS";"SA7_END"

"SA7";"ETN08080611005200000000000000000002";"ETN293";"293002240";10;0;"SFBP";"NLD";"com112:Logistics
Center Amsterdam";"test";"Neonweg";"";"";"1044AH";"NH";"";"";"";"10";"";"";"Amsterdam";"AMS";"SA7_END"

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Weesperstraat 103";"";"Weesperstraat";"";"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";"";"103";"";
;"Amsterdam";"AMS";"SA7_END"

"SA7";"ETN08080611005200000000000000000002";"ETN293";"293002240";20;0;"SFBP";"NLD";"com112:Logistics
Center Amsterdam";"test";"Neonweg";"";"";"1044AH";"NH";"";"";"";"10";"";"";"Amsterdam";"AMS";"SA7_END"